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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/034,020	12/28/2001	Rayadurgam Ravikanth	9505		
7	590 03/25/2004		EXAMINER		
RINES AND RINES 81 North State Street			SANGHAVI, HEMANG		
Concord, NH			ART UNIT	PAPER NUMBER	
,			2874		
•			DATE MAILED: 03/25/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application	n No.	Applicant(s)			
Office Action Summary		10/034,02	0	RAVIKANTH ET AL	- ·		
		Examiner		Art Unit			
		Hemang \$		2874			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
THE I - Exter after - If the - If NO - Failui Any r	ORTENED STATUTORY PERIOD FOMAILING DATE OF THIS COMMUNIC asions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this commu period for reply specified above is less than thirty (30) period for reply is specified above, the maximum state to reply within the set or extended period for reply weply received by the Office later than three months afted patent term adjustment. See 37 CFR 1.704(b).	CATION. f 37 CFR 1.136(a). In no evenication. days, a reply within the statutory period will apply and with, by statute, cause the apply.	ent, however, may a reply be ti utory minimum of thirty (30) da Il expire SIX (6) MONTHS fron ication to become ABANDONI	mely filed ys will be considered timely. n the mailing date of this council ED (35 U.S.C. § 133).	nmunication.		
Status							
1)	Responsive to communication(s) filed	l on .					
	•	b)⊠ This action is n	on-final.				
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
5)⊠ 6)⊠ 7)□	 ✓ Claim(s) 1-31 is/are pending in the application. ✓ 4a) Of the above claim(s) is/are withdrawn from consideration. ✓ Claim(s) 1-30 is/are allowed. ✓ Claim(s) 31 is/are rejected. ☐ Claim(s) is/are objected to. ☐ Claim(s) are subject to restriction and/or election requirement. 						
Applicati	on Papers						
10)⊠	The specification is objected to by the The drawing(s) filed on <u>28 December</u> Applicant may not request that any object Replacement drawing sheet(s) including the oath or declaration is objected to	2001 is/are: a) \boxtimes action to the drawing(s) bethe correction is require	e held in abeyance. Seed if the drawing(s) is of	ee 37 CFR 1.85(a). pjected to. See 37 CF	R 1.121(d).		
Priority u	ınder 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
2) Notic 3) Infor	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PT mation Disclosure Statement(s) (PTO-1449 or F r No(s)/Mail Date		4) Interview Summar Paper No(s)/Mail D 5) Notice of Informal 6) Other:	Date	-152)		

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claim 31 is rejected under 35 U.S.C. 102(e) as being anticipated by Kirby (US 6,647,208).

Kirby discloses hybrid electronic/optical switch system comprising an electronic switch fabric and an optical switch fabric at a node of the network. The electronic switch includes a data monitor processor, which detects when traffic from a source to a particular destination is substantial enough to warrant a direct flow path. An optical switch control processor communicates with the data monitor and the switch control processor and routes optical signals of various wavelengths through an HEOS.

As to the data flow, see lines 1-32 of column 8 and lines 1-67 of column 9.

The available capacity of the optical path is monitored to decide a flow of the data packets. See lines 31-54 of column 12.

In lines 63-66 of column 7, Kirby teaches that the optical switch control processor and the data monitor & switch control processor may be implemented in a single process. It is inherent that software is required to control the processors.

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Allowable Subject Matter

Claims 1-30 are allowed over the prior art of record.

The following is a statement of reasons for the indication of allowable subject matter: The prior art fails to disclose or suggest the claimed method and apparatus for fully utilizing the available data flow capacity of optical paths including means for determining when the predetermined optical path is under-utilized in its available data flow capability and the desirability of inserting in that predetermined optical path additional data from the separate data flow path; means for diverting the photonic data packet flow along said predetermined path into the electrical switch fabric and converting the same into electrical data packets, means for joining the converted electrical data packets with the other data packets also presented in electrical data packet form; means for converting the joined electrical data packets into photonic data packet flow; and means for sending the converted joined photonic data packets along the predetermined optical path of the optical switch fabric.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Graves et al and Thomas disclose different types of signal processing devices including electrical and optical switch fabric systems.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hemang Sanghavi whose telephone number is (571)

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272-2358. The examiner can normally be reached on Monday-Thursday (8:30 AM-6:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rodney B Bovernick can be reached on (571) 272-2344. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hemang Sanghavi Primary Examiner Art Unit 2874

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